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AMENDED CLAIMS

[received at the International Office on 28 August 2003 (28.08.03); original Claims 71-72 amended; all other claims unchanged (2 pages)]

69. The use of the hollow fibers according to one of Claims 38 to 53 as components in medical devices, for example artificial lungs, in microelectronics as wire, cable, waveguides or capacity, in superlight construction technology, in medical separation technologies, in capillary electrophoresis, in scanning probe microscopy, in catalytic systems, in fuel cells, in batteries or in electrochemical reactors.

NOT ENTERED

70. Use of the hollow fibers according to one of Claims 38 to 53 as sensor components, as microreactors, as protein storage, as drug delivery systems, as composite materials, as fillers, as mechanical reinforcement, as heat insulators, as dielectrics, as piezoelectric control elements, as interlayer dielectrics in chip manufacture, as separation media, as storage media for gases, liquids or particle suspensions or as materials in the clothing industry.

ART 19 71. The use of porous materials according to Claim 36 or 37 as microcell arrays in combinatorial chemistry and combinatorial materials research.

ART 19 72. The use of porous materials according to Claim 36 or 37 as components in medical devices, for example artificial lungs, in superlight construction technology, in medical separation technologies, in capillary electrophoresis, in scanning probe microscopy, in catalytic systems, in fuel cells, in batteries or in electrochemical

reactors, as sensor components, as microreactors, as protein storage, as drug delivery systems, as composite materials, as fillers, as mechanical reinforcement, as heat insulators, as dielectrics, as piezoelectric control elements, as interlayer dielectrics in chip manufacture, as separation media, as storage media for gases, liquids or particle suspensions, as materials in the clothing industry or as functionalized surfaces with specific adhesion, tack and wetting properties.

73. The use of arrays of hollow fibers according to one of Claims 54 to 66 as microcell arrays in combinatorial chemistry and combinatorial materials research.

74. The use of arrays of hollow fibers according to one of Claims 54 to 66 as components in medical devices, for example artificial lungs, in superlight construction technology, in medical separation technologies, in capillary electrophoresis, in scanning probe microscopy, in catalytic systems, in fuel cells, in batteries or in electrochemical reactors, as sensor components, as microreactors, as protein storage, as drug delivery systems, as composite materials, as fillers, as mechanical reinforcement, as heat insulators, as dielectrics, as piezoelectric control elements, as interlayer dielectrics in chip manufacture, as separation media, as storage media for gases, liquids or particle suspensions, as materials in the clothing industry or as functionalized surfaces with specific adhesion, tack and wetting properties.